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**Joint EFCOG/DOE  
Chemical Management 2002 Workshop**

**November 5 -7, 2002**

**Chemical Hazards Assessment and Control:  
Examining and Enhancing Safety and Preparedness**

*Topical Themes*

- ❖ *Risk Assessment and Chemical Hazards Control -- Government and Industry Perspectives*
- ❖ *Controlling Chemical Hazards: A Risk Management Approach*
- ❖ *Unstable, Reactive and Toxic Chemicals -- Controlling the Hazards*

*Sponsored by*

**EFCOG/DOE Chemical Safety Topical Committee (CSTC)  
EFCOG Safety Analysis Working Group  
DOE Office of Environment, Safety and Health  
DOE Technical Standards Program Office**

*Workshop Location*

**DOE Forrestal Auditorium (GE-086)  
1000 Independence Ave. SW, Washington, D.C. 20585  
and**

**Audio\*\* and Video-linked to various locations throughout the DOE Complex**

***Reminder -- Please bring your DOE badge or obtain a visitor's badge upon arrival***

**[\*\* CALL-IN NUMBER for all three days is 301-903-7078]**

*Designated Hotels*

**The Channel Inn**

**650 Water St., SW**

**Washington, D.C. 20024**

**[Reservations: 1-800-368-5668 or 202-554-2400]**

**[Room Block Under # 197474]**

**Holiday Inn**

**550 'C' St., SW**

**Washington, D.C. 20024**

**[Reservations: 1-800-465-4329 or 202-479-4000]**

**[Room Block Under "DOE Chem Management"]**

**For more information on the Workshop go to our home page at  
[http://tis.eh.doe.gov/web/chem\\_safety/ws2002](http://tis.eh.doe.gov/web/chem_safety/ws2002)**

**Day 1 -- Tuesday, November 5, 2002**  
***Risk Assessment and Chemical Hazards Control***  
***Government and Industry Perspectives***

[All times are Eastern Time]

**8:30 – 11:30**      **Registration/Name Tags and Packet Pick-up at Forrestal Main Auditorium Entrance (GE-086)**

**OPENING SESSION -- FORRESTAL MAIN AUDITORIUM (GE-086)**

**8:50 – 8:55**      **Welcome/Opening Comments by EFCOG/DOE-HQ Co-Chairs**  
*J.C. Laul, EFCOG SAWG /Los Alamos National Laboratory/CSTC EFCOG Co-chair*  
*Bill McArthur, H & S Policy Team Leader/DOE-HQ/EH-52/CSTC DOE Co-chair*

**8:55 – 9:30**      **Host and Sponsors' Welcomes and Workshop Kick-off**  
DOE Corporate Welcome, "*Chemical Hazards Assessment and Control at DOE*"  
*C. Rick Jones, Acting Deputy Assistant Secretary, Office of Safety and Health (EH-5)*  
*Beverly A. Cook, DOE Assistant Secretary for Environment, Safety and Health (EH-1)*  
  
EFCOG Corporate Welcome, "*Chemical Hazards Control: The EFCOG Perspective*"  
*Robie Enge, Associate Lab Director, PNNL, EFCOG Director*

**9:30 – 9:45**      "Chemical Hazards Management at DOE: A DNFSB View"  
John E. Mansfield, Board Member, DNFSB

**9:45 – 10:00**      **BREAK      [15 minutes]**

**10:00 – 10:30**      "New Guidance on Analyzing and Assessing Risk"  
Craig Matthiessen, EPA

**10:30 - 11:00**      "Chemical Hazards Management: A CSB Perspective"  
Don Holmstrom, Lead Recommendations Specialist,  
Chemical Safety and Hazard Investigation Board

**11:00 – 11:30**      "ISSM and Enhancing Chemical Safety"  
Deborah Monette, Assistant Manager for National Security, DOE-NV/NNSA

**11:30 – 12:45**      **LUNCH**

**12:45 – 1:15**      "New Guidelines for Catastrophic Emergency Preparedness"  
James Fairbent, Acting Director, DOE-HQ/ Office of Emergency Management

**1:15 – 1:45**      "ACC's New Responsible Care Security Code"  
Dorothy Kellogg, American Chemistry Council

**1:45 – 2:00**      **BREAK      [15 minutes]**

**2:00 – 2:30**      "Risk Assessment System for Above Ground Storage Tank Facilities, An American  
Petroleum Institute Project"  
Tracy Whipple, DNV, Houston

**2:30 – 3:00**      "Chemical Safety Security and Hazards Control"  
James Cooper, Synthetic Organic Chemical Manufacturers Association

**3:00 – 4:00**      Government/Industry PANEL      **Bill McArthur, Moderator**  
"Enhancing Chemical Security – Thoughts and Ideas for Consideration"  
Panelists:      C. Matthiessen, D. Holmstrom, D. Monette,  
J. Fairbent, D. Kellogg, T. Whipple, J. Cooper

**4:00 – 4:30**      Closing Remarks and Highlights of the Day's Discussions/ Preview of Day 2  
Bill McArthur/J.C. Laul

## Day 2 -- Wednesday, November 6, 2002

### *Controlling Chemical Hazards: A Risk Management Approach*

#### *CSTC 2002/2003 Project Discussions*

|               |                                                                                                             |                                                                           |
|---------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 8:30 a.m.     | Registration/Name Tags and Packet Pick-up                                                                   | Forrestal Main Auditorium Entrance (GE-086)                               |
| 9:00 – 9:05   | Welcome to Day 2                                                                                            | J.C. Laul/Bill McArthur                                                   |
| 9:05– 9:20    | Update/Overview of CSTC Project 2002-B:<br>Integrated Hazards Analysis and a Hazards Identification Toolbox | James Goss, Y-12 Area Office/NNSA [Team Chair]                            |
| 9:20 – 9:45   | Update/Overview of CSTC Project 2002-C:<br>Current Chemical Hazard Characterization Practices               | J.C. Laul, LANL [Team Chair]                                              |
| 9:45 – 10:00  | Update/Overview of CSTC Project 2002-D:<br>Chemical Tracking and RF Tags                                    | John Piatt, PNNL [Team Chair]                                             |
| 10:00 – 10:10 | <b>BREAK [10 minutes]</b>                                                                                   |                                                                           |
| 10:10 --10:25 | Update/Overview of CSTC Project 2002-E:<br>Chemical Hazard Severity/Risk Quantification                     | Michael Cournoyer, LANL [Team Chair]                                      |
| 10:25– 10:35  | Update/Overview of CSTC Project 2002-A:<br>Chemical User Safety and Health Requirements Roadmap (CUSHR)     | David Quigley, INEEL [Team Chair]                                         |
| 10:35 – 12:35 | <b>Plenary Session: Begin CSTC 2003 Project Discussions/Brainstorm CSTC Issues for 2003</b>                 | Bill McArthur /J.C. Laul, Facilitators                                    |
|               | 10:35 – 10:40 Introduction of a CSTC Standing Team for Beryllium Issues                                     |                                                                           |
|               | 10:40 – 11:40 Recommendations by Workshop Participants for<br>Potential 2003 Projects and <b>DISCUSSION</b> |                                                                           |
|               | 11:40 – 12:30 Develop a List of Potential 2003 Project Topics with a Focus on “Product”                     |                                                                           |
| 12:30 – 1:30  | <b>LUNCH</b>                                                                                                |                                                                           |
| 1:30 – 3:40   | <b>Technical Session/TRAINING:</b>                                                                          |                                                                           |
|               | <b>“Risk Management Methods and Tools for Controlling Chemical Hazards”</b>                                 | James Morgan, WSRC, Moderator                                             |
|               | 1:30 – 2:15 <b>TRAINING:</b> “Developing and Using Risk Profiles to Manage Risk”                            | Adrian Sepeda, Occidental Chemical (Retired), AIChE-CCPS Staff Consultant |
|               | 2:15 – 2:25 <b>BREAK [10 minutes]</b>                                                                       |                                                                           |
|               | 2:25 – 3:10 <b>TRAINING:</b> “A Vulnerability Assessment Methodology (VAM) for Chemical Facilities”         | Calvin Jaeger, SNL                                                        |
|               | 3:10 -- 3:40 Open Discussion and Audience Participation                                                     | A. Sepeda and C. Jaeger                                                   |
| 3:40 – 4:40   | “Reducing Chemical Use, Waste, Risks and Cost                                                               |                                                                           |
|               | 3:40 - 4:10 “The Chemical Strategies Partnership (CSP) and the SLAC Pilot”                                  | Geb Marett, Program Associate, CSP                                        |
|               | 4:10 – 4: 40 “‘The Exchange’: A DOE Web-Based Tool for Reducing Waste and Costs”                            | Arnold Edelman, DOE-SC-83                                                 |
| 4:40 – 4:50   | Closing Remarks and Announcements – Highlights and Summary of Discussions                                   | J.C. Laul/Bill McArthur                                                   |

## Day 3 -- Thursday, November 7, 2002

### *Unstable, Reactive and Toxic Chemicals: Controlling the Hazards CSTC Path Forward for 2003*

- 9:00 – 9:05 Welcome to Day 3 **J.C. Laul/ Bill McArthur**
- 9:05 – 11:45 TECHNICAL SESSION:  
"Enhancing Controls for Unstable and Reactive Chemical Hazards"**
- 9:05 – 9:35 *"Managing Potentially Shock-Sensitive Legacy Chemicals: An Update on Oak Ridge Chemical Deactivation/Processing Activities"*  
James Bailey, Bechtel Jacobs Co./Oak Ridge
- 9:35 – 10:05 *"A Programmatic Approach to Managing Unstable, Reactive and Toxic Chemicals"*  
Fred Simmons, WSRC
- 10:05 – 10:15 BREAK [10 minutes]**
- 10:15 – 10:45 *"Identification and Management of Shock Sensitive and Reactive Chemicals"*  
Lydia Boada Clista, DOE Ohio Field Office
- 10:45 – 11:15 *"CSB's Reactive Chemical Hazard Investigations – Lessons Learned and Recommendations for Improving Reactive Hazard Management"*  
John Murphy, CSB
- 11:15 – 11:45 *"A Comprehensive Approach to Managing Reactive Chemical Hazards"*  
Scott Berger, AIChE-CCPS
- 11:45 - 12:45 LUNCH**
- 12:45 – 1:45 Plenary Session – **Open Discussion of CSTC Projects Proposed for 2003**  
**Bill McArthur/J.C. Laul, Facilitators**
- from list developed on Day 2; and
  - any additional ideas offered by participants
- 1:45 – 2:45 Plenary Session  
- Participants select up to 5 project topics from final list of potential new projects for 2003
- 2:45 – 3:45 Break-out Session  
- Participants to break-out rooms for new 2003 Team-building/project discussions:  
- Teams develop project descriptions, strategies and proposed products  
*Break-out Rooms to be assigned*
- 3:45 – 4:30 Plenary Session - All CSTC Projects for 2003 -- New Team + Continuing Team Report-Outs  
**Bill McArthur/J.C. Laul, Facilitators**  
**CSTC 2003 Project Team Chairs**
- Designations of All CSTC 2003 Projects, Teams and Team Chairs
  - TENTATIVE New Project Titles/Descriptions/Goals
  - Proposed Products/TENTATIVE Deliverables and Timelines
- 4:30 - 4:45 Closing Remarks/ Workshop Adjournment  
**Rick Jones/Bill McArthur/J.C. Laul**
- Recognition of Progress of CSTC Project 2002 Teams;
  - Summary of Workshop Accomplishments; and
  - Anticipated Path Forward to Product Completion for Achieving Excellence in 2003 Chemical Management at DOE in 2003